

SEARCH REQUEST FORM

15110

Requestor's

Name:

BERCH

Serial

Number:

10606424

Date:

4/19

Phone:

571-272-0663

Art Unit:

1624

Office

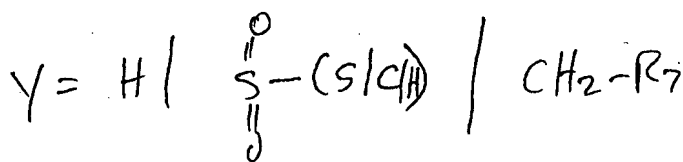
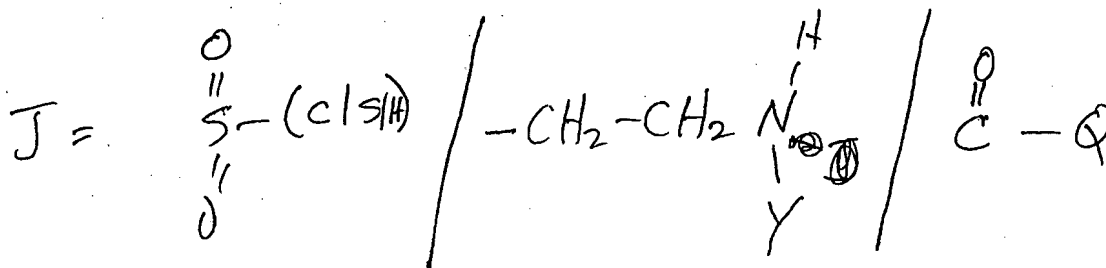
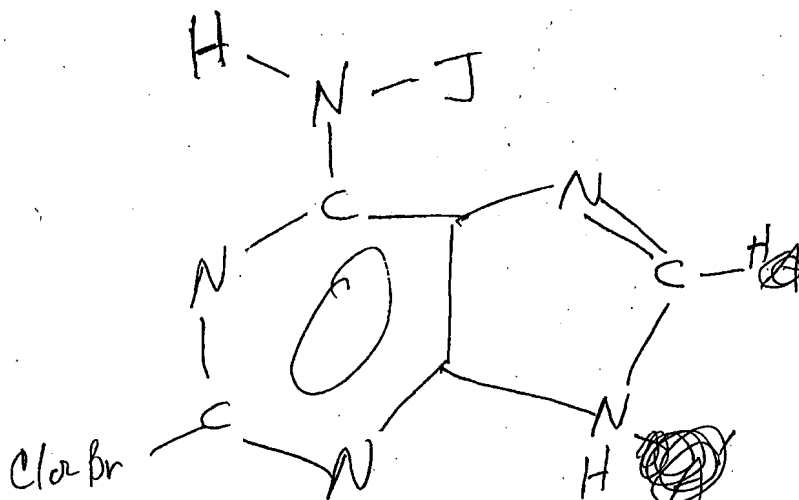
Rem 5C01

Mailbox

5C18

Search Topic:

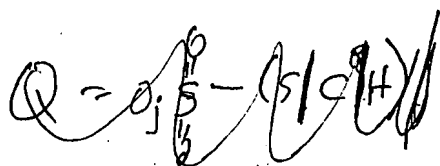
Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).



$R_7 = C/N$ -in-a-ring

$Q = (N/O)_j (Cl/S/H)$

$j = 0, 1$



12:11
12:08

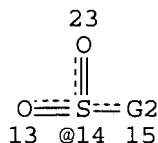
11:38
11:37

#1 of 4

claim 16

166.06
44.91
2.14
171.66
38477

Beich
10/606424
1 of 4
claim 14



```

O===C---G4
20  @21  22

```

O---G2
@26 27

CH2-G5
@28 29

N @30

NODE ATTRIBUTES:

```

NSPEC      IS R      AT 30
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE

L3 2 SEA FILE=REGISTRY SSS FUL L1

```
100.0% PROCESSED      13 ITERATIONS
SEARCH TIME: 00.00.01
```

2 ANSWERS

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
165.63

TOTAL
SESSION
165.84

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:37:54 ON 22 APR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is

Page 2

strictly prohibited.

FILE COVERS 1907 - 22 Apr 2005 VOL 142 ISS 18
FILE LAST UPDATED: 21 Apr 2005 (20050421/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

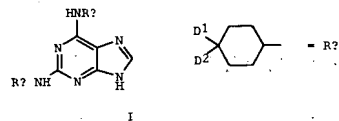
L4 1 L3

=> d ibib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:504788 CAPLUS
DOCUMENT NUMBER: 137:78809
TITLE: Method of preparation of novel purine derivatives and
their use as antifungal medicines
INVENTOR(S): Bordon-Pallier, Florence; Haesslein, Jean-Luc
PATENT ASSIGNEE(S): Aventis Pharma S.A., Fr.
SOURCE: PCT Int. Appl., 87 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

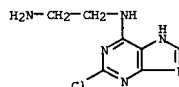
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051843	A1	20020704	WO 2001-FR4051	20011219
W:	AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, EG, GE, GR, HU, ID, IL, IN, IS, JP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SG, SI, SK, TN, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
FR 2818642	A1	20020628	FR 2000-17009	20001226
CA 2433220	AA	20020704	CA 2001-2433220	20011219
EP 1347975	A1	20031001	EP 2001-994897	20011219
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004516326	T2	20040603	JP 2002-552938	20011219
US 2004063732	A1	20040401	US 2003-606424	20030626
PRIORITY APPLN. INFO.:			FR 2000-17009	A 20001226
			WO 2001-FR4051	W 20011219

OTHER SOURCE(S): CASREACT 137:78809; MARPAT 137:78809
G1

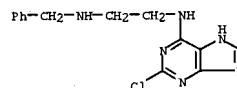


AB The invention concerns novel purine products I [Rx = (Z)NR1; Z = CH2, SO2, CO, CO2, CONH, (CH2)2-NR6; n = 0, 1; R1 = H, Ph, CH2Ph, pyridyl, alkyl, piperidinyl (optionally substituted); Ry = (un)substituted Ph, R2; D1, D2 = H, (un)substituted NH2], in all the isomeric forms and pharmaceutically acceptable salts, for use as antifungal medicines. Thus, trans-N2-(4-aminocyclohexyl)-N6-(3,4-dichlorophenyl)-9H-purin-6-amine (I; Rx = 4-aminocyclohexyl, Ry = 3,4-dichlorophenyl) was prepared from

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
2,6-dichloropurine via amination with 3,4-dichloroaniline in BuOH followed by fusion with trans-1,4-diaminocyclohexane at 70°. I (Rx = 4-aminocyclohexyl, Ry = 3,4-dichlorophenyl) was shown to be an active inhibitor of CIV-CDK (CIV1) [IC50 = 2.9 µM] and Candida albicans [CM = 25 µg/mL].
IT 439803-46-0P, 6-[(2-Aminoethyl)amino]-2-chloropurine
RL: BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation and sulfonylation of, in; preparation of novel purine derivs. as inhibitors of CIV-CDK)
RN 439803-46-0 CAPLUS
CN 1,2-Ethanediamine, N-(2-chloro-1H-purin-6-yl)- (9CI) (CA INDEX NAME)



IT 439803-52-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of novel purine derivs. as inhibitors of CIV-CDK)
RN 439803-52-8 CAPLUS
CN 1,2-Ethanediamine, N-(2-chloro-1H-purin-6-yl)-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Page 4

=> fil caol;s l3
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.39	171.23

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.73	-0.73

CA SUBSCRIBER PRICE

FILE 'CAOLD' ENTERED AT 11:38:06 ON 22 APR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

L5 0 L3

=> log y
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.43	171.66

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.73

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 11:38:09 ON 22 APR 2005